



Tele-View® TV-500 Equine Exercise Endoscope Frequently Asked Questions

1. What is included in the Tele-View TV-500 Equine Exercise Endoscope package?

The Tele-View Equine Exercise Endoscope package contains the following:

- 1 TV-500 Equine Exercise Endoscope includes:
 - Custom built leather harness
 - Custom built endoscope wand
 - Digital recording camera with 3.5" TFT LCD screen and SD card
 - Elastomeric bulb flushing system with Dial-A-Flow meter
 - Rechargeable battery packs
- 1 USB cable and 1 Video Cable
- 2 AC Adaptors (one for auxiliary LED battery pack and one for digital recording camera)
- 1 Laptop Computer with AC adapter
- 1 Hard-Sided Pelican Carrying Case
- 1 User Manual

2. How does the Tele-View TV-500 Equine Exercise Endoscope work?

This innovative product allows the customer to quickly and easily record video of airway restriction problems during a horse's normal workout. The TV-500 is a self-contained light weight harness that is worn by the horse. The Equine Exercise Endoscope does not impair the horse in any manner. The system is also 'rider independent' meaning the rider is not required to do anything except complete a normal workout of the horse. Also, as the product is light weight (less than 5lbs/2.2kg), it allows for the horse to run with its head in a 'normal' position.

The endoscope wand is placed in the Pharynx and then secured with the harness securing straps. The system automatically records high resolution video to the SD card during the normal workout. Once the workout is complete, the video can be viewed either on the 3.5" LCD screen of the recording camera or on the included laptop computer (by removing the SD card from the recording camera and placing in the computer port).

3. What is the difference between the Tele-View TV-500 Equine Exercise Endoscope and the competitive products on the market?

- Some of the competitive products are priced around \$60,000. The cost of the TV-500 is a fraction of this price.
- For several competitive products, the riders need to wear a backpack and they need to be physically connected to the horse with a video cable. This is a very dangerous scenario if the horse throws the rider. With the TV-500, the rider and the horse have no extra equipment and the rider is not attached to the horse.

4. Is the endoscope wand difficult to place?

The best analogy of placing the endoscope wand is that it is like placing a stomach tube. The endoscope wand diameter is 5/8", which is similar to a stomach tube. Present users have told AMC that it is easy to place, however, there is a learning curve in using on the first 3-4-5 horses. Present users also tell AMC that it is best to either 1) twitch the horse or 2) give the horse a light sedative such as Xylazine before placement. This makes wand placement easier and less time consuming.

5. How does the horse tolerate the endoscope wand?

The most difficult part is the endoscope wand placement. After placement, users have found that the horses are fine with the endoscope wand being located in the pharynx.

6. What is required of the rider?

Nothing except the usual morning workout. Unlike competitive products, the rider does not have to wear anything, press any buttons and is not connected to the horse.

7. Is there a backpack or anything else that needs to be attached to the horse?

No. The TV-500 Tele-View Equine Exercise Endoscope harness is self-contained. The only thing that is placed on the horse is the leather harness on the horse's head. There is nothing else that is required to be attached or connected to the horse.

8. What components are in the TV-500?

As the TV-500 is self-contained, it includes the leather harness, the endoscope wand, the endoscope cable, the irrigation flushing system, LED lighting system and the video recording camera with a SD card.

9. Can the user watch the video while it is being recorded during the workout?

No. The user can only look at the images of the larynx during placement of the endoscope wand on the LCD of the digital recording camera. As the horse wears the digital recording camera and there is no wireless feature of the camera, the workout must be completed for the user to view the video. The video can be viewed on the LCD of the digital recording camera after the workout or on the included computer. The video can be viewed on the LCD of the digital recording camera either with the harness on or off the horse.

10. How do I secure the endoscope wand to prevent movement of the wand in the pharynx during the workout?

The integrated harness includes securing straps that allow the user to tighten down the endoscope cable and wand to prevent movement once the wand is placed in the pharynx.

11. What happens if the wand moves during the workout?

If the wand or wand tip moves, the video may not record the desired images. In this case, the procedure will need to be repeated at the earliest convenience of the horse and the rider. Present users say that they need to repeat the procedure about 5-10% of the time.

12. How long does it take to install the harness and place the endoscope wand in the pharynx?

Present users tell us that after they have become familiar in working with the Tele-View TV-500 Equine Exercise Endoscope, they can usually place it in 10-15 minutes. However, please keep in mind that this is when either a twitch is used or the horse has been given a light sedative.

13. What can be done if mucous collects on the endoscope wand camera tip?

If mucous collects on the camera lens during placement of the endoscope wand, the wand has an irrigation flushing system to clean the camera lens. The irrigation system includes a 'hooded' catheter that will flush the tip. The 'hooded' catheter can be seen by looking at the end of the endoscope wand tip. This 'hooded' catheter allows the water to spray on the camera lens for cleaning. To do this, the user just attaches a syringe to the syringe connector and pushes water or saline solution through the irrigation system. AMC recommends that the camera lens be cleaned every time after placement and before recording begins.

14. Will the irrigation system work if the horse has a large amount of mucous present?

Not very well. The irrigation system works great for small amounts of mucous, but not for large amounts. If the horse has a large quantity of mucous, the horse should be treated first to eliminate the mucous before using the Tele-View TV-500 Equine Exercise Endoscope.

However, if the horse has a small amount of mucous that may get onto the camera lens, the irrigation system can be used during the workout. The irrigation system includes an elastomeric bulb and a dial-a-flow meter. The elastomeric bulb acts as a pressure pump and can be filled with 60ml of water or saline solution. The dial-a-flow meter can be adjusted to increase or decrease the flow. As the flow should only be a few drops of water or saline every 10 seconds, the dial-a-flow usually needs to be set at the lowest possible setting.

15. What type of laptop computer comes with the system?

As laptop designs change all the time, AMC usually includes a name brand laptop with the following minimum specifications:

- 15.5" LCD Screen with SD card slot with Windows 7 Operating System
- 2GB RAM and 160GB Hard Drive and either an Intel or AMD processor

16. In what format is the video captured and how long can the system record video?

The file is recorded as a Windows Media File (.ASF). A five minute video will usually take up about 35 Megabytes of space on the SD card. The digital recording camera includes a 2 GB SD card. Theoretically, the camera could record about 50-60 minutes of video on one 2 GB SD card.

17. Does the camera record the video as one long video or does it break the video up into segments?

To make it easier to look through the video and potentially edit the video, the digital recording camera will break the video up into 5 minute increments. If the total recording is for 18 minutes, you will find three 5 minute videos and one 3 minute video saved to the SD card.

18. Can I manipulate and edit the video?

Yes, with Windows 7 Operating System, the video can be manipulated and edited with **Windows Live Movie Maker**. For Windows XP and Vista Operating Systems, the video can be manipulated and edited with **Windows Movie Maker**. These programs can be found by clicking on the Windows 'Start' button and going to 'All Programs.' AMC recommends editing the video to eliminate the beginning and end of the video and saving the minutes of the video of the horse under 'full work.' This will probably be about 5 minutes of video.

19. Who are some of the equine veterinary customers using the TV-500 Equine Exercise Endoscope?

- Dr. Vince Baker at Equine Medical Center in California
- Dr. Robert Hunt at Hagyard Equine Medical Institute in Kentucky
- Dr. Scott McClure at Iowa State University College of Veterinary Medicine
- Dr. Ken Sullins at Virginia Tech Marion duPont Scott Equine Medical Center
- Dr. Justin McCormick at Texas A & M University Veterinary Medicine

20. What maintenance is required of the TV-500 Equine Exercise Endoscope?

The only maintenance is to keep the product clean and not damaged. The wand tip and endoscope cable can be cleaned and sterilized with alcohol after usage. There are two batteries that need to be recharged: one for the digital recording camera and one for the auxiliary LED lights. It is recommended to charge both of these overnight to have a full charge for the morning endoscopic procedures.

21. How long do the batteries last between charges?

The battery for the digital recording camera should last about 2.5 hours. The batteries for the auxiliary LED lights should last about 8 hours.

22. How long is the warranty on the Tele-View Equine Exercise Endoscope?

The warranty on the Equine Exercise Endoscope is for 12 months from date of purchase. The warranty covers manufacturing related defects. It does not cover malfunction or damage that is the result of misuse, abuse or intentional damage to the product. An extended warranty service agreement can be purchased at the end of the first year and the cost is 10% of the purchase price per year.

23. How do you handle repairs and/or replacement of malfunctioning product?

For product repair or replacement, please contact Advanced Monitors Corporation toll free at 1-877-838-8367 x102 or at 858-536-8237 x102 or at support@admon.com. You will then be issued an RGA number for return of the product. Depending on the problem, you will either be asked to ship the product to AMC in San Diego, CA or our production facility in Belleville, IL.